



BUILDING DATA

AREA	NO.	SPACE	NET S.F.
STORAGE AREAS			
		STORAGE TEMPERATURES	
1	DRY STORAGE		13,973
2	HARDY VEGETABLE & FRUIT COOLER	40-45°F	1,599
3	SENSITIVE VEGETABLE & FRUIT COOLER	32-34°F	1,599
4	ONIONS & POTATOES	55-60°F	1,066
5	PERISHABLE COOLER	32-35°F	3,875
6	FREEZER	-10°F	7,888
ADMINISTRATIVE AREA			
7	VENDING		18
8	BREAK/TRAINING		160
9	CONFERENCE ROOM		216
10	MEN-TLTS & LOCKERS		84
11	WOMEN-TLTS & LOCKERS		84
12	TISO		90
13	GENERAL ADMIN (12-18)		837
14	STORAGE		74
WAREHOUSE OFFICE AREA			
15	WHSE OFFICE (4)		221
16	DRIVER WAITING		73
17	INSPECTION ROOM		172
18	VETERINARY OFFICE		138
SUPPORT			
19	CART STORAGE		
20	UNIT PILE		
21	MHE STORAGE, BATTERY CHARGING		
22	STAGING, HOLDING, VET INSPECTION		
	a. DRY DOCK		
	b. CHILLED DOCK	45°F	
23	SALVAGE AREA (SEE SHT 2 NARRATIVE)		7,527
	TOTAL FOR DOCK CIRCULATION AND ACTIVITIES		
24	EQUIPMENT MEZZANINE		1,495
25	MAXI-MART AISLE	45°F	1,631
26	JANITOR CLOSET (1)		20
27	SPRINKLER VALVE ROOM		16
28	SERVICE AISLE (COOLERS)		1,620
	WALL THICKNESS, ETC.		2,438
GROSS SQUARE FEET (TOTAL)			46,914

TROOP CAPACITY

BARRACK CAPACITY	5,000
CASH SALES (15%)	713 *
HOSPITALS	100
RESERVES (WEEKEND)	1,000
RESERVES (14 DAY)	750
T-RATIONS	2,500
MRE'S	2,500
B-RATIONS	-0-

* .15 OF 70% OR 95% BARRACK CAPACITY

PERSONNEL

ADMINISTRATION	
TISO	1
ADMIN. STAFF (5-7)	7
WAREHOUSE	
OFFICE	2
WAREHOUSEMEN (WITH MINI/MAXI)	5
VETERINARY STAFF	2

STORAGE CAPACITIES

STORAGE AREA	PALLETS	FLOW LANES
DRY - A-RATIONS	550	157
DRY - MRE & T-RATIONS	535	N/A
FREEZER	420	320
COOLER - PERISHABLE	216	120
COOLER - SENSITIVE V & F	72	60
COOLER - HARDY V & F	72	60
ONION & POTATOES	72	0

MATERIAL HANDLING EQUIPMENT

FOUR WHEEL CARTS	**
PALLET TRANSPORTERS	1
3000 lb CAPACITY	
COUNTERBALANCED FORKLIFT	3
3000 lb CAPACITY/15'-6" HEIGHT	
DOUBLE DEEP FORKLIFT	N/A
3000 lb CAPACITY/20'-6" HEIGHT	
STOCK SELECTOR	N/A
3000 lb CAPACITY/20'-0" HEIGHT	

** TO BE DETERMINED BY TISA PERSONNEL BASED ON THE ISSUE SCHEDULE AND EXTENT OF MINI AND/OR MAXI MART USE.

ALL MATERIAL HANDLING EQUIPMENT SHALL BE PROVIDED WITH A COLD PACKAGE.

STORAGE AIDS

PALLET RACK	
SINGLE DEEP	1,960
DOUBLE DEEP	0
DRIVE-IN	
2 DEEP	0
3 DEEP	0
4 DEEP	0
CASE FLOW RACK	
20 FACES	660
15 FACES	160

ARCHITECTURAL DESIGN OBJECTIVES

THE OVERALL DESIGN OBJECTIVE OF THIS DEFINITIVE DESIGN PACKAGE IS TO ESTABLISH THE SPECIFIC PLAN RELATIONSHIPS AND BUILDING CONFIGURATION WHILE ALLOWING EXPANSION CAPABILITY AND INTERIOR FLEXIBILITY IN SITE ADAPTATION. IN ADDITION, THE FACILITY LAYOUT IS DESIGNED BASED ON THE STORAGE AID SYSTEM AND EQUIPMENT WHICH ARE INCLUDED AND ESSENTIAL IN ORDER TO MEET THE OVERALL OBJECTIVE.

THE PLAN SHAPE IS DERIVED FROM THE STORAGE AID SYSTEM, AISLE WIDTH AND CUBE REQUIRED FOR THE INDIVIDUAL STORAGE AREAS. THESE AREAS, TIED TO THE LINEAR SUPPORT/CIRCULATION SPINE WITH THE INTERSECTING ADMINISTRATION AND WAREHOUSE OFFICE AREAS, FORM THE OVERALL PLAN CONCEPT. DETAILED DISCUSSION OF THE STORAGE AREA AND RELATED SUPPORT IS CONTAINED IN THE FUNCTIONAL AND OPERATIONAL REQUIREMENTS AND WAREHOUSE CONSIDERATIONS NARRATIVES.

THE INTERIOR PLANNING MODULE FOR THE ADMINISTRATION AND WAREHOUSE OFFICE AREAS MAY VARY SLIGHTLY, HOWEVER, AN APPROXIMATE MODULE OF 10 FEET WILL ALLOW FOR FLEXIBILITY IN ACCOMMODATING MULTIPLE WORK STATIONS. THESE AREAS REQUIRE ACOUSTICAL SEPARATION FROM THE WAREHOUSE. A MINIMUM STC OF 40-45 SHALL BE PROVIDED. THESE AREAS SHALL HAVE THE TYPICAL OFFICE FINISHES INCLUDING ACOUSTICAL TILE CEILINGS, PAINTED GYPSUM WALLBOARD AND CARPETING. THE ADMINISTRATION AND WAREHOUSE OFFICE AREAS AND THEIR SUPPORT SPACES SHALL BE HANDICAPPED ACCESSIBLE.

A U.S.D.A. APPROVED FINISH SHALL BE PROVIDED ON ALL INTERIOR SURFACES IN THE STORAGE AND SUPPORT SPACES. ALL OTHER FINISHES FOR THESE SPACES SHALL BE U.S.D.A. APPROVED INCLUDING THE STORAGE AID SYSTEM, CONCRETE MASONRY UNITS, ETC...

INTERIOR SIGNAGE FOR THE FACILITY IS OPTIONAL, HOWEVER, CONSIDERATION SHOULD BE GIVEN TO PROVIDING GENERAL PRODUCT LOCATION SIGNAGE WHICH IS FLEXIBLE AT BOTH THE DRY STORAGE END AISLES AND IN THE SECONDARY CIRCULATION ACCESSING THE COOLERS AND FREEZER. FLOOR DEMARCATION OF DEFINED AREAS WITHIN THE SUPPORT SPACE SUCH AS THE UNIT PILE, CIRCULATION ZONES AND CUSTOMER FLOW ARE RECOMMENDED. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH TM 5-807-10, DECEMBER 1983.

THE BASIC OCCUPANCY CLASSIFICATION OF THIS BUILDING IS UNIFORM BUILDING CODE GROUP-B, DIVISION-4 FOR STORAGE AREAS AND GROUP-B, DIVISION-2 OFFICE BUILDING CLASSIFICATION FOR THE ADMINISTRATION AND WAREHOUSE OFFICE AREAS. ANTICIPATED OCCUPANT LOADS ARE DEFINED ON THE FLOOR PLAN SHEETS. SPECIAL CONSIDERATION SHOULD BE GIVEN TO THE MATERIAL HANDLING EQUIPMENT STORAGE/BATTERY CHARGING AREA. FURTHER BUILDING CLASSIFICATIONS ARE CONTAINED IN THE FIRE PROTECTION NARRATIVE ON SHEET NO. 6.

PROVISIONS FOR PHYSICAL SECURITY/ANTI-TERRORISM SHALL BE DETERMINED AND INCORPORATED BY THE USING AGENCY. THE OMAHA DISTRICT ENGINEER OFFICE PROTECTIVE DESIGN CENTER OF EXPERTISE WILL PROVIDE TECHNICAL GUIDANCE UPON REQUEST.

DESIGNED BY	WOLFBURG/ALVAREZ & ASSOCIATES	DEPARTMENT OF THE ARMY
DRAWN BY	W/A & A	NORFOLK DISTRICT CORPS OF ENGINEERS
CHECKED BY	PM	NORFOLK, VA.
SUBMITTED BY	MK	
SCALE:	AS SHOWN	PROJECT NO. DEF 432-11-01
DATE:	OCTOBER 1988	DRAWING NO. 4